

IN THE SPECIFICATION

Please amend the Specification as follows:

Please replace the third paragraph on page 1 with the following rewritten paragraph:

a1 Conventionally, a television reception apparatus, a radio reception apparatus, a video ~~tape~~ tape recorder (VTR) having a television tuner mounted, and the like, have been controlled at a distance by using a remote controller based on infrared rays.

Please replace the first full paragraph after the numbered series on page 2 with the following rewritten paragraph:

a2 Among the aforementioned procedure steps (1) and (8), the steps (2) to (7) are carried out by setting a numeric using an up switch and a down switch for incrementing or decrementing by 1 digit, or using an input apparatus such as a 10-key switch and a bar code. Moreover, when reserving a program which is broadcast at the same time every day or every week, the a above reservation is proclaimed each time so as to repeatedly use the program reservation information.

Please replace the third full paragraph after the numbered series on page 2 with the following rewritten paragraph:

a3 Moreover, for a recording reservation and a program reservation in a video tape recorder (VTR) and a television reception apparatus having a time reservation function, a user ~~need~~ needs to enter a necessary information for setting the reservation by looking at a program table.

Please replace the first full paragraph page 5 with the following rewritten paragraph:

a4  
@ The audio control signal based control system according to the present invention includes: an audio control signal transmission apparatus for transmitting an audio control signal corresponding to a control instruction and an audio signal to be transmitted; and an apparatus to be controlled, which receives an audio control signal transmitted together with an audio signal from the audio control signal transmission apparatus and executes a control instruction given by the audio control signal received, wherein the apparatus to be controlled is controlled by a control instruction corresponding to an audio control signal transmitted from the audio control signal transmission apparatus.

Please replace the second full paragraph beginning on page 6 and bridging page 7 with the following rewritten paragraph:

a5  
The program information transmission apparatus according to the present invention includes: program information input means for inputting a program information to be transmitted; audio information signal generating means for generating an audio information signal corresponding to a program ~~information~~ information entered by the program information input means; signal multiplexing means for multiplexing an audio signal to be transmitted, with the audio information signal generated by the audio information signal generating means; and transmission means for transmitting the audio information signal and the audio signal which have been multiplexed by the signal multiplexing means, wherein a program information is transmitted as an audio information signal together with an audio signal. Moreover, the program information transmission method according to the present invention is characterized in that an audio information signal is generated according to a

a5  
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program information entered, and an audio signal to be transmitted is multiplexed with the audio information signal so as to be transmitted together with the audio signal. For example, the audio signal to be transmitted and the audio information signal corresponding to a program information are transmitted by way of time division. Alternatively, an audio information signal corresponding to the program information is superimposed on the audio signal to be transmitted. As the audio information signal corresponding to a program information, it is possible to transmit a program information by a DTMF signal string. Moreover, it is possible to transmit a program information by an audio information signal indicating a G code. Furthermore, it is possible to transmit a program information by a DTMF signal string indicating a G code.

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Please replace the second full paragraph beginning on page 8 and bridging page 9 with the following rewritten paragraph:

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a6

Ⓐ Moreover, the program reservation apparatus according to the present invention includes: reception means for receiving an audio information signal indicating a program information transmitted together with an audio signal to be transmitted; recording/reproduction means for recording and reproducing via a recording medium the audio information signal together with the audio signal received by the reception means; program information specifying means for extracting the audio information signal reproduced by the recording/reproduction means, so as to determine a program information indicated by the audio information signal; program information storage means for storing the program information determined by the program information specifying means; control means for controlling the reception means; and input means for inputting a set information to the control means; wherein the control means, according to the reservation set information entered by the

Alf  
Cont

input means, by using a program information stored in the program information storage means, controls the reception means and the recording/reproduction means to reserve a program to be received and receive the program reserved. Furthermore, the program reservation method according to the present invention is characterized in that control is made so as to execute: a step of receiving a program information transmitted together with an audio signal to be transmitted; a step of recording/reproducing via a recording medium the audio information signal together with the audio signal received; a step of extracting the audio information signal reproduced so as to specify a program information indicated by the audio information signal; — a step of storing the program specified; a step of using a program information stored, according to a reservation set information entered, so as to reserve a program to be received; and a step of receiving the program reserved.

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Please replace the series beginning on page 10, "Fig.4" and ending on page 10, "Fig 7" with the following:

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@ Fig. 4 is a block diagram showing a configuration of a decoder provided in the aforementioned audio control signal reception apparatus according to the present invention.

a7

@Fig. 5 is a block diagram showing another configuration of the audio control signal transmission apparatus according to the present invention.

@Fig. 6 is a block diagram showing a configuration example of a television transmission apparatus according to the present invention.

@ Fig. 7 is a block diagram showing a configuration example of a television reception apparatus according to the present invention.

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Please replace the first full paragraph on page 11, with the following:

a8  
@Fig. 13 shows a correspondence between control instructions for executing an operation control of a video/audio signal recording and reproducing apparatus and audio control signals.

Please replace the second full paragraph on page 11 with the following:

a9  
@Fig. 15 is a block diagram showing another configuration example of a television reception apparatus according to the present invention.

Please replace the third full paragraph on page 11, with the following:

a10  
@Fig. 16 shows a correspondence between control instructions for executing a character display control of a television reception apparatus and audio control signals.

Please replace the paragraph bridging pages 18 and 19 with the following:

a11  
In the control system for transmitting a control instruction by way of an audio control signal constituted by combination of the audio control signal transmission apparatus and the audio control signal reception apparatus according to the present invention, a control instruction to be transmitted is transmitted together with an audio (sound) signal. Consequently, the present invention can be applied to an apparatus having a function of receiving an audio signal such as a television reception apparatus, radio reception apparatus, video/audio signal reception/recording/reproduction apparatus, and the like. Moreover, it is possible not only to externally output a control instruction by way of an audio control signal transmitted but also to control the apparatus itself. @

Please replace the paragraph bridging pages 19 and 20 with the following:

a12 In this television transmission apparatus 40, the encoder 42 generates an audio control signal corresponding to a control instruction determined to be transmitted by the control instruction input block 41 and supplies this audio control signal to the audio signal switching block 44. The signal switching block 44 is supplied via the audio signal input terminal 43 with a sound (audio) signal to be transmitted. This sound signal is superimposed by the aforementioned audio control signal generated by the encoder 42, so as to be supplied to the sound (audio) signal amplifier block 45. The sound signal amplifier block 45 amplifies the sound signal which has been imposed with the audio control signal by the signal switching block 44, and supplies the amplified signal to the transmission block 48. Moreover, the video signal amplifier block 47 amplifies a video signal supplied via a ~~vide~~ video signal input terminal 46 and supplies the amplified signal to the transmission block 48.

Please replace the second full paragraph on page 20 with the following:

a13 The transmission block 48 transmits via an antenna 49, the sound signal amplified by the sound signal amplifier block 45, i.e., the sound signal superimposed with the ~~audio~~ audio control signal and the video signal amplified by the video signal amplifier block 47, as a television signal. -@

Please replace the third full paragraph on page 20 with the following:

a14 The television transmission apparatus 40 having the aforementioned configuration can transmit a control instruction to be transmitted, by superimposing the control ~~instruetoin~~ instruction signal on a sound signal which can be received by a television reception apparatus.

Please replace the third full paragraph on page 21 with the following:

a15  
The sound signal output block 55 outputs from a ~~loud~~ loud speaker the audio signal amplified by the sound signal amplifier block 53. Moreover, the decoder 56 extracts from the audio signal amplified by the audio signal amplifier block 53, an audio control signal related to a control instruction on one-to-one basis, so as to identify the control instruction transmitted and supplies the control instruction to the system controller 57. The system controller 57 executes the control instruction determined by the decoder 56 so as to control the monitor block 58 and the power control block 59 according to the control instruction.

Please replace the paragraph bridging pages 23 and 24 with the following:

a16  
A circuit for generating the DTMF signal is available ~~on market~~ as an integrated circuit of DTMF tone encoder. For example, if "1" is entered, the DTMF encoder outputs an audio signal of 1209 Hz superimposed on an audio signal of 697 Hz. Moreover, a circuit for extracting a DTMF signal from an input audio signal is available on the market as an integrated circuit fDTMF tone decoder. If an input audio signal contains both of the audio signal of 1209 Hz and the audio signal of 697 Hz, the DTMF tone decoder outputs "1".

Please replace the fourth full paragraph on page 25 with the following:

a17  
@By using the decoder 80 having the aforementioned configuration, it is possible to constitute an audio control signal reception apparatus for receiving a DTMF signal string as an audio control signal corresponding to a control instruction.